

2459-1-003 CIP (Sheet 1 of 30)

Structure-based sequence homology alignment of bromodomains

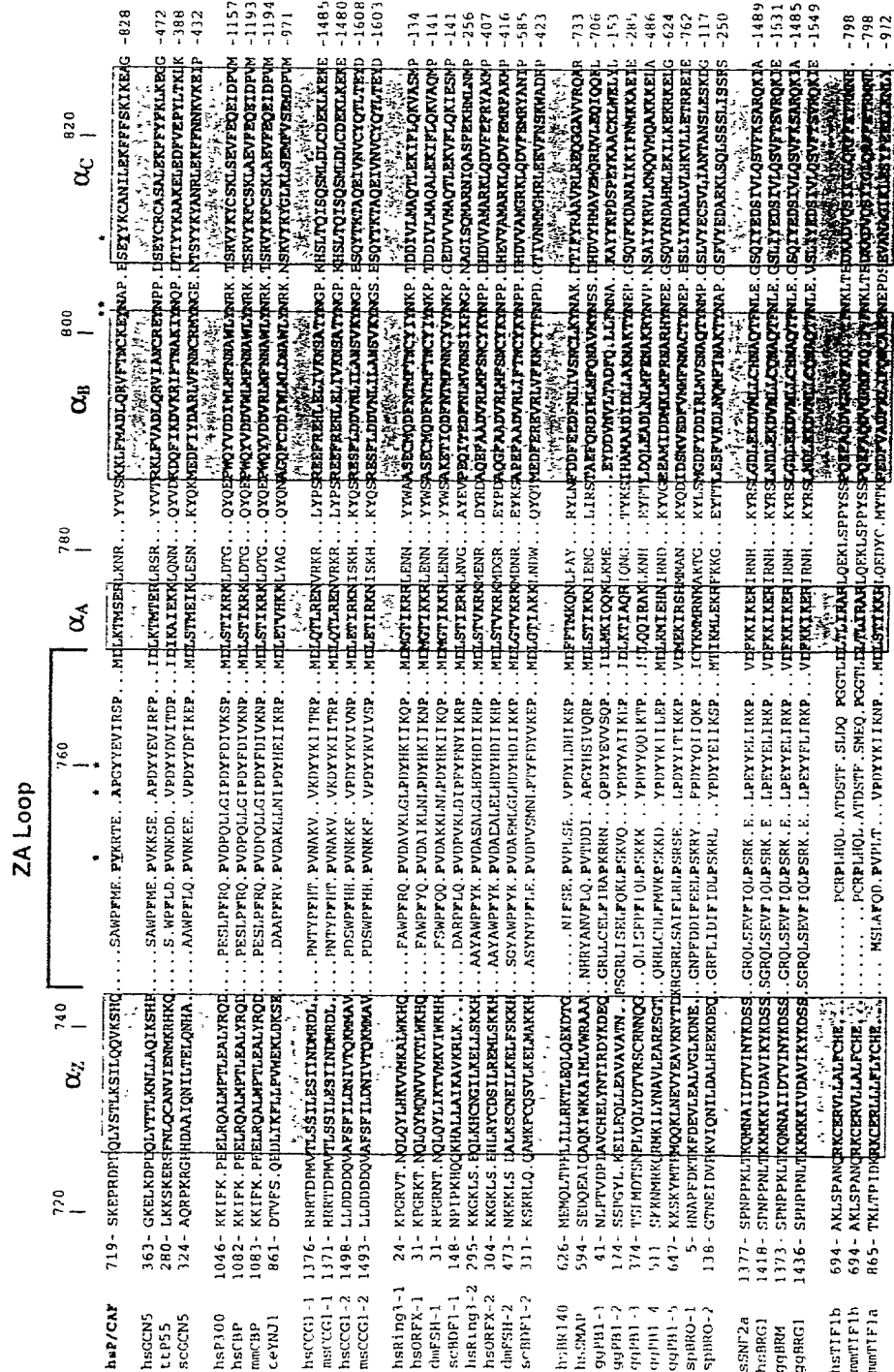


Figure 1

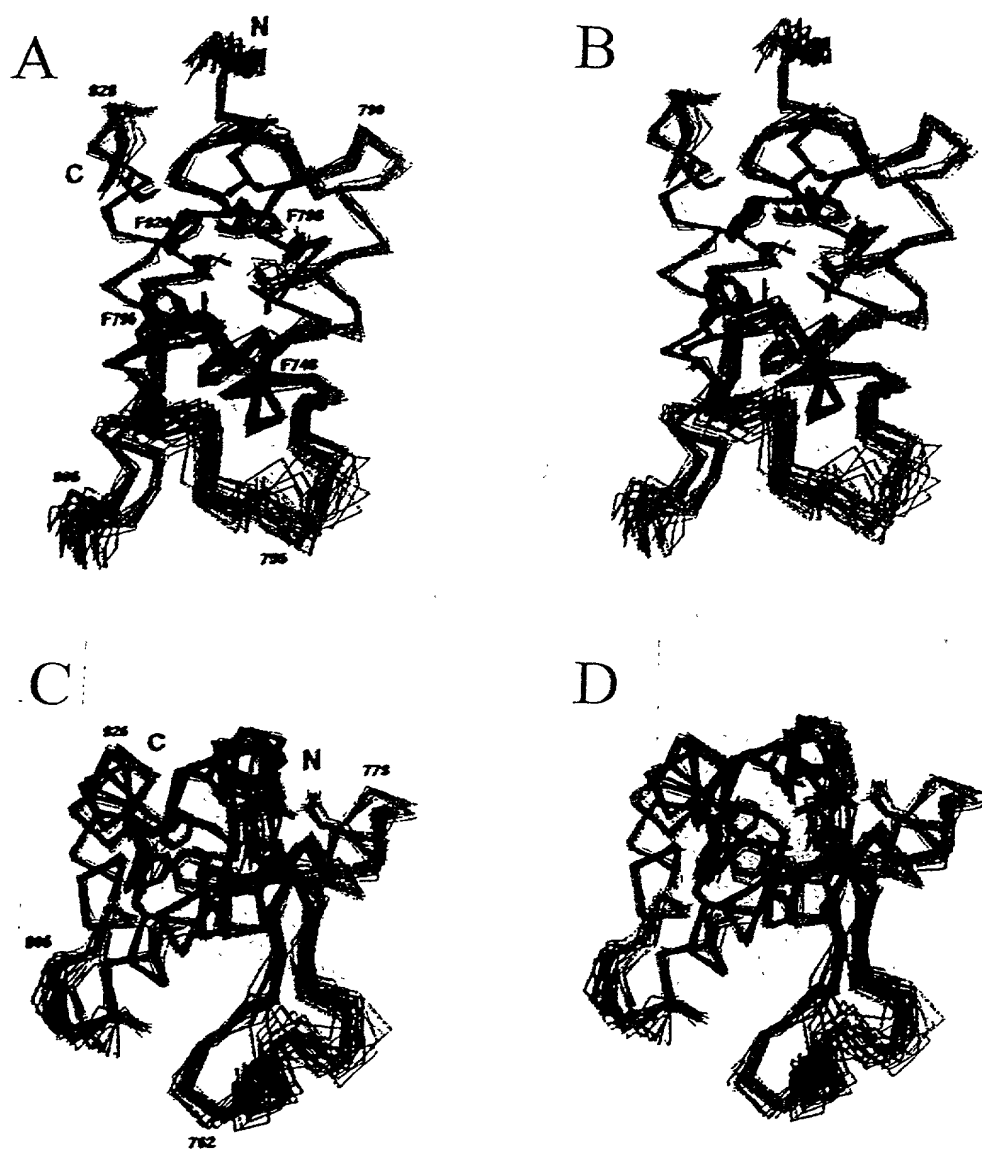


Figure 2A-2D

Three-Dimensional Structure of the P/CAF Bromodomain

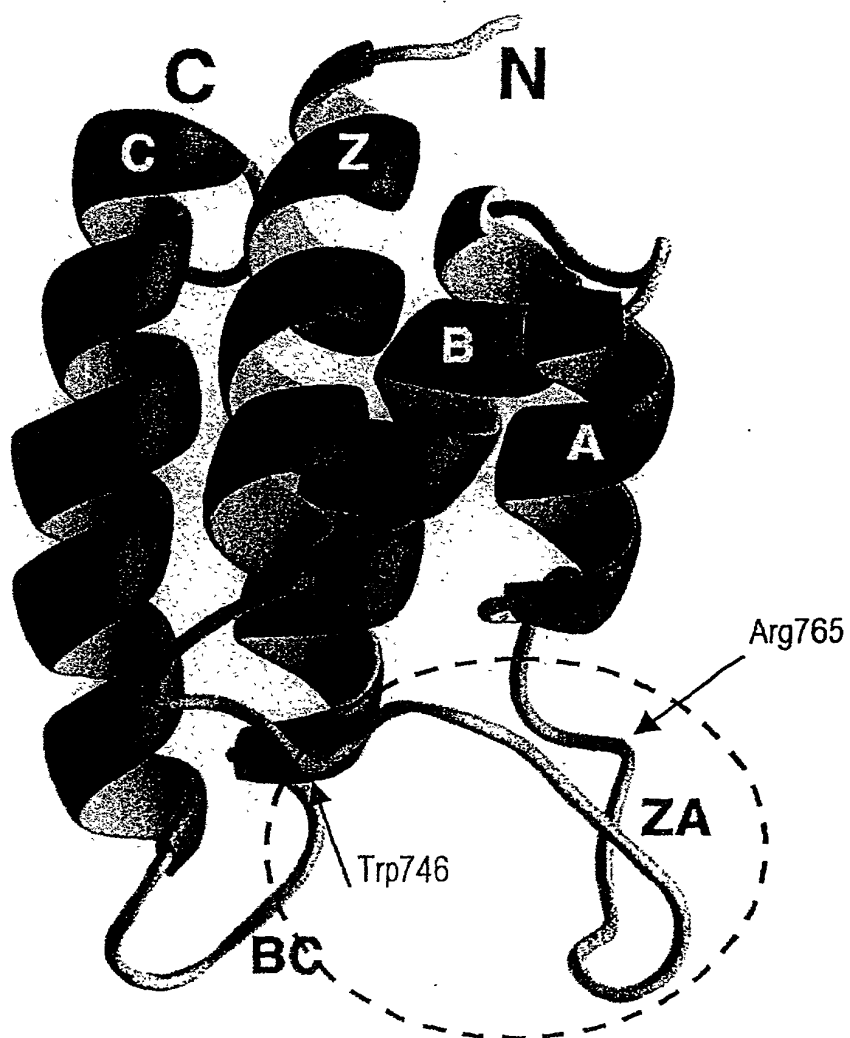


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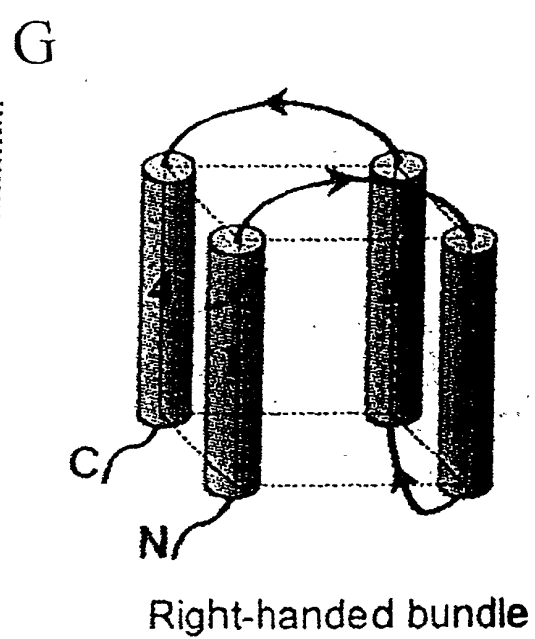
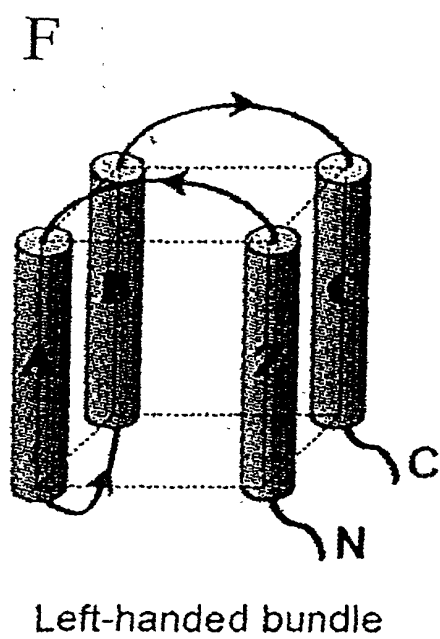


Figure 2F-2G

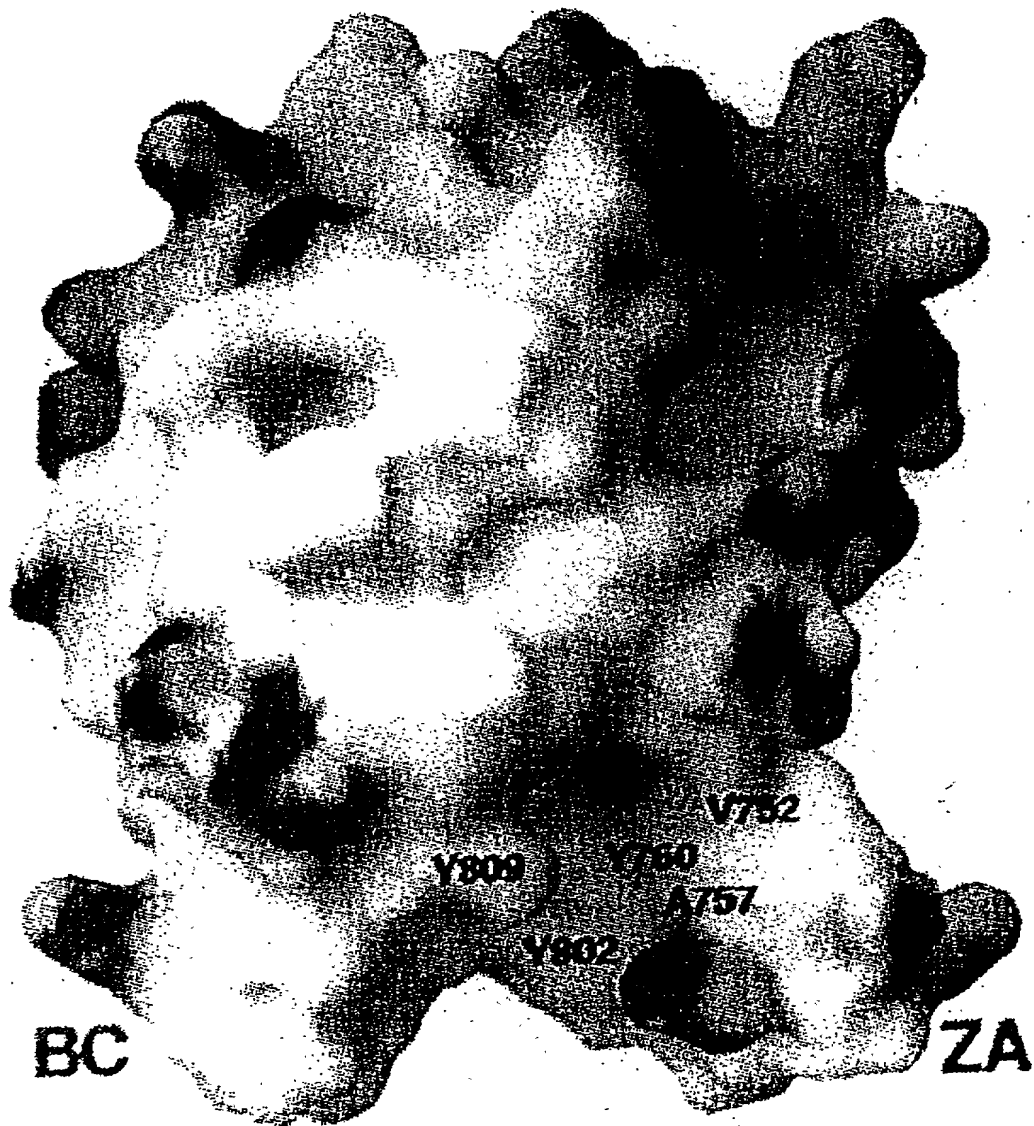


Figure 2H

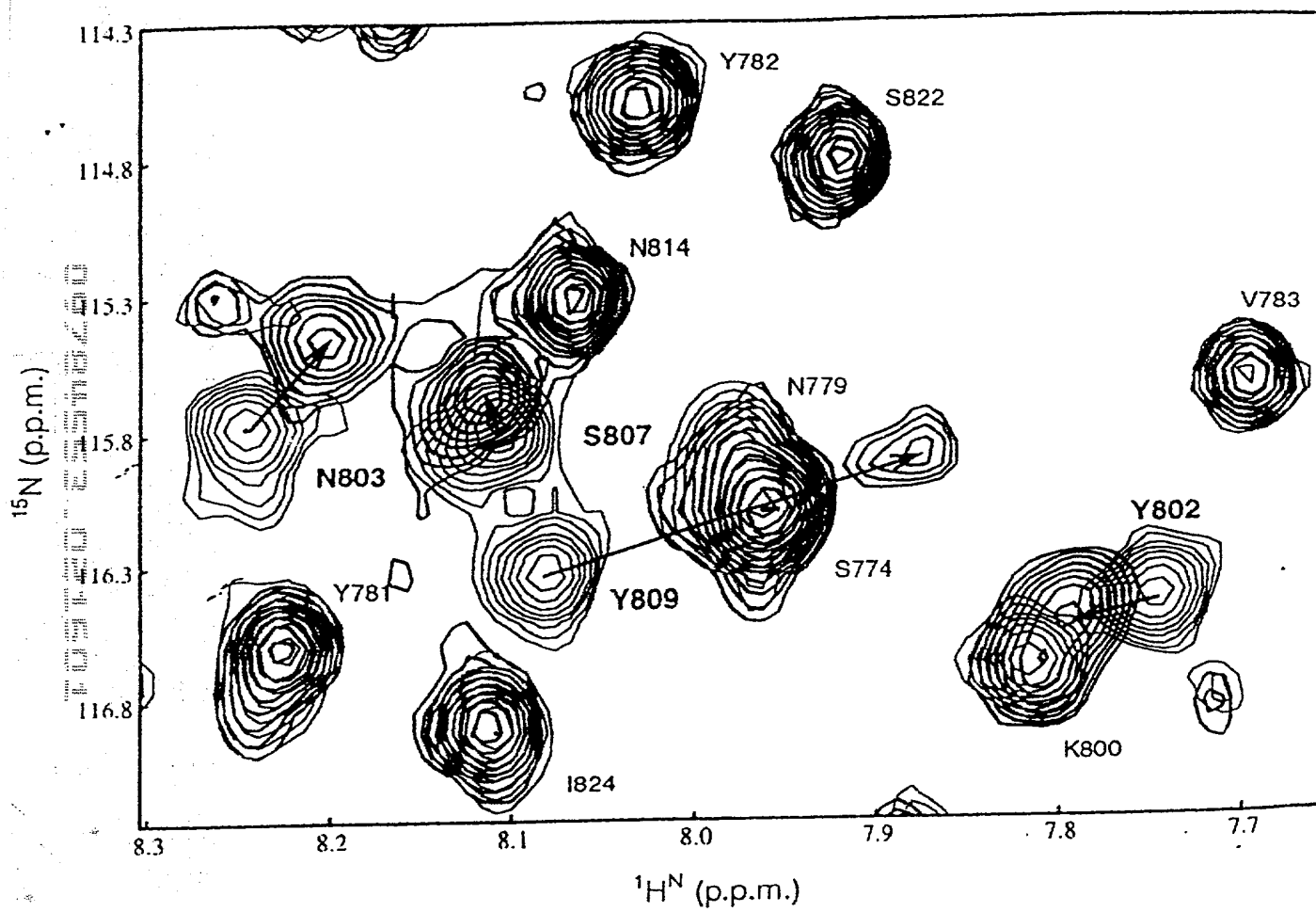


Figure 3A

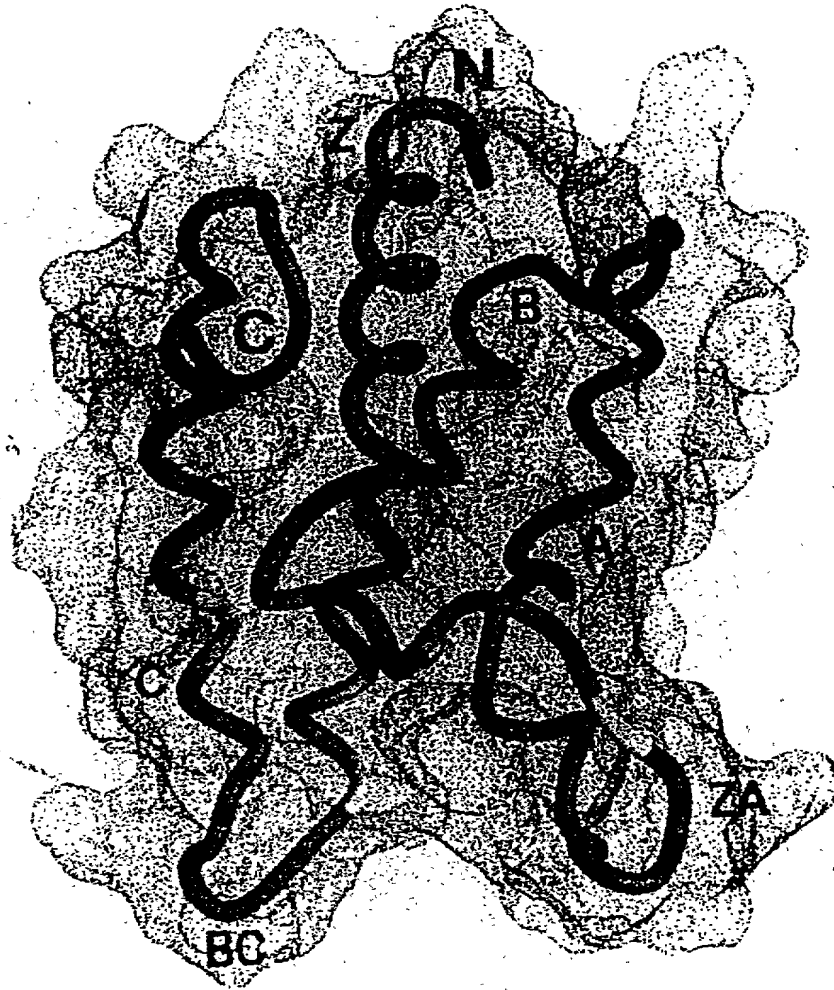
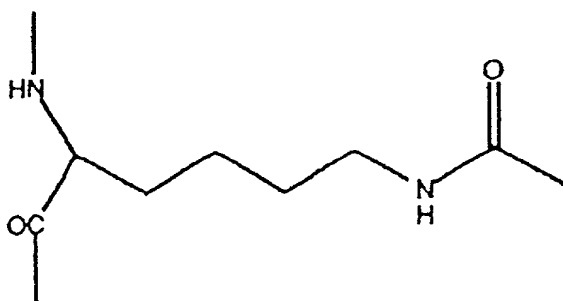
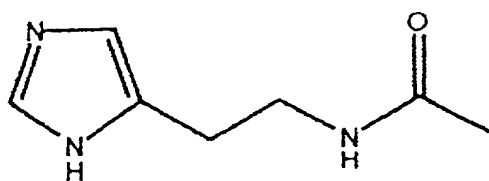


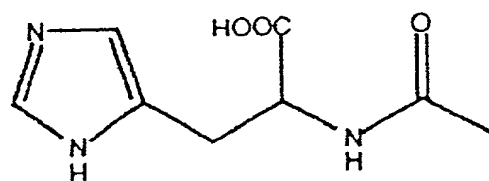
Figure 3B



N_{ϵ} -acetyl-lysine



N_{ω} -acetyl-histamine



N_{α} -acetyl-histidine

Figure 3C

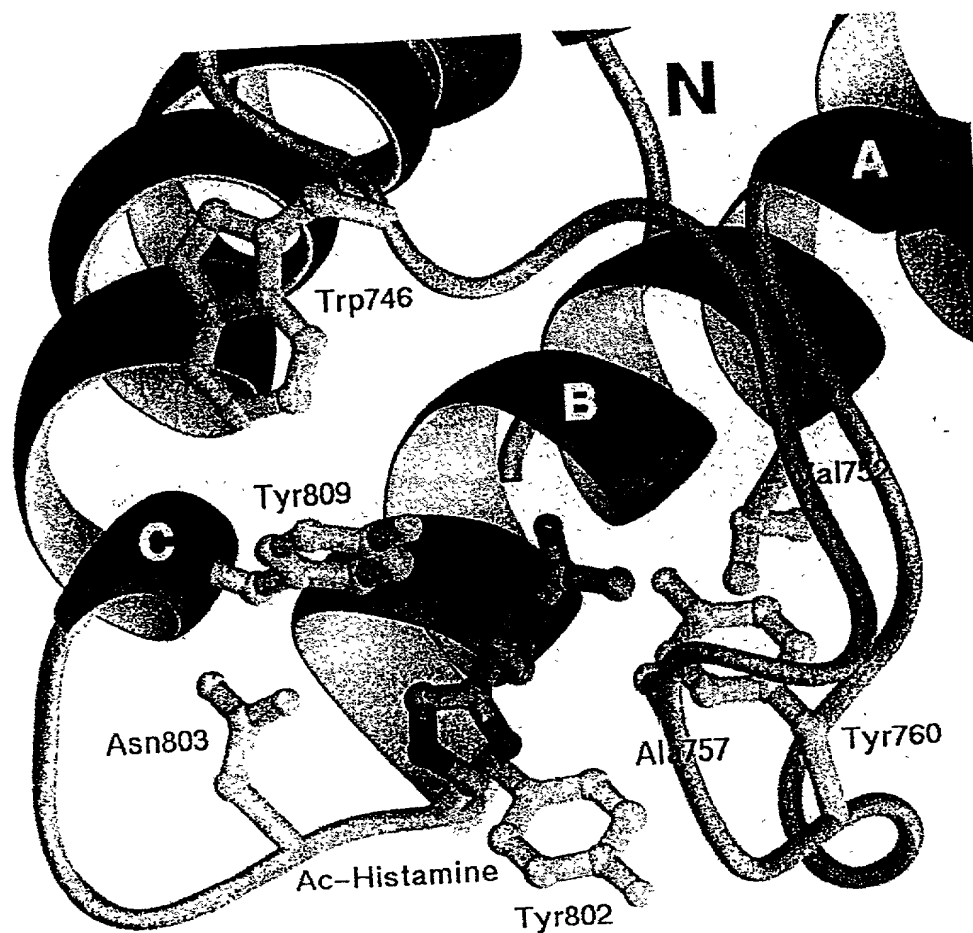


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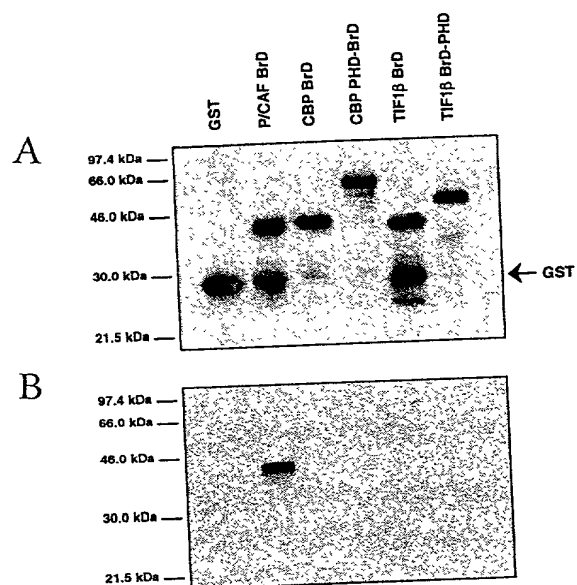


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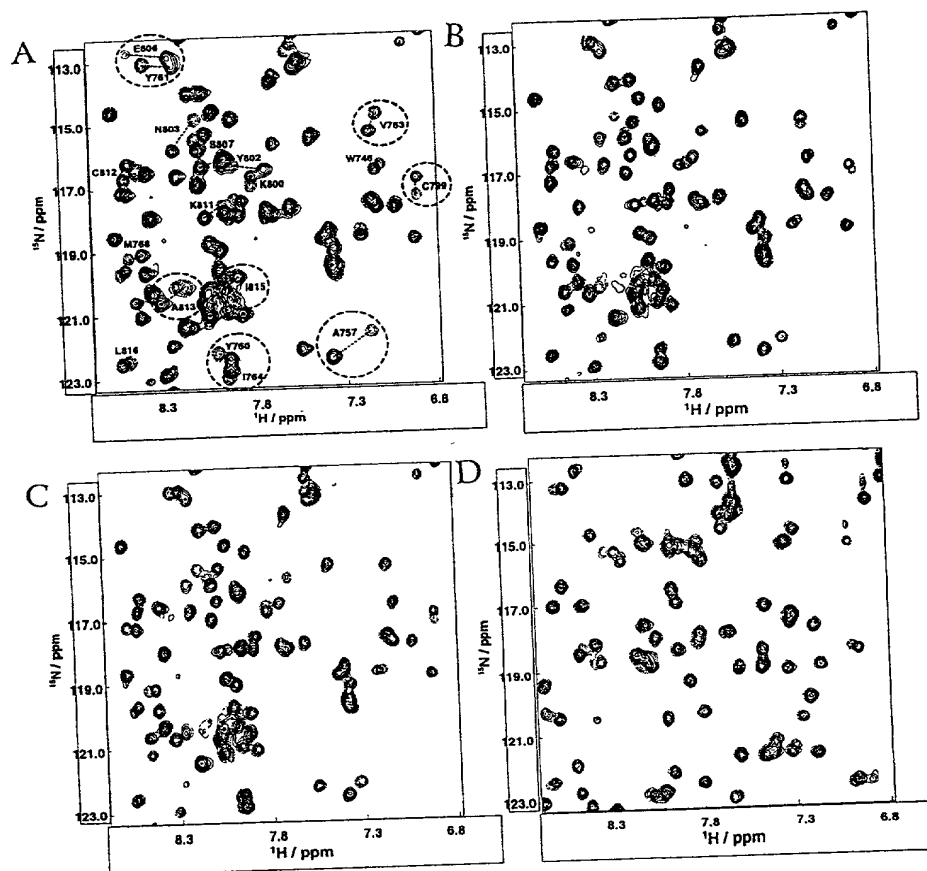


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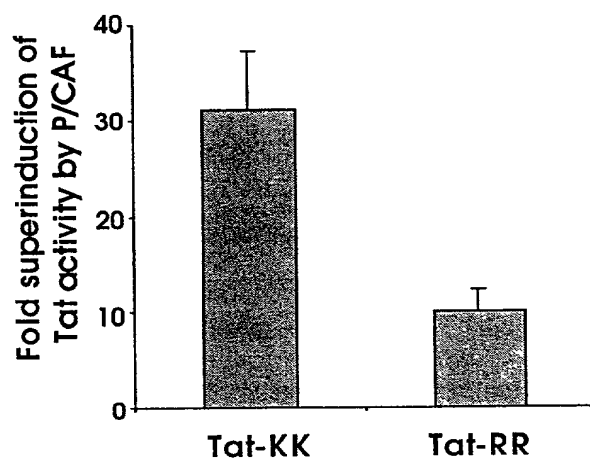


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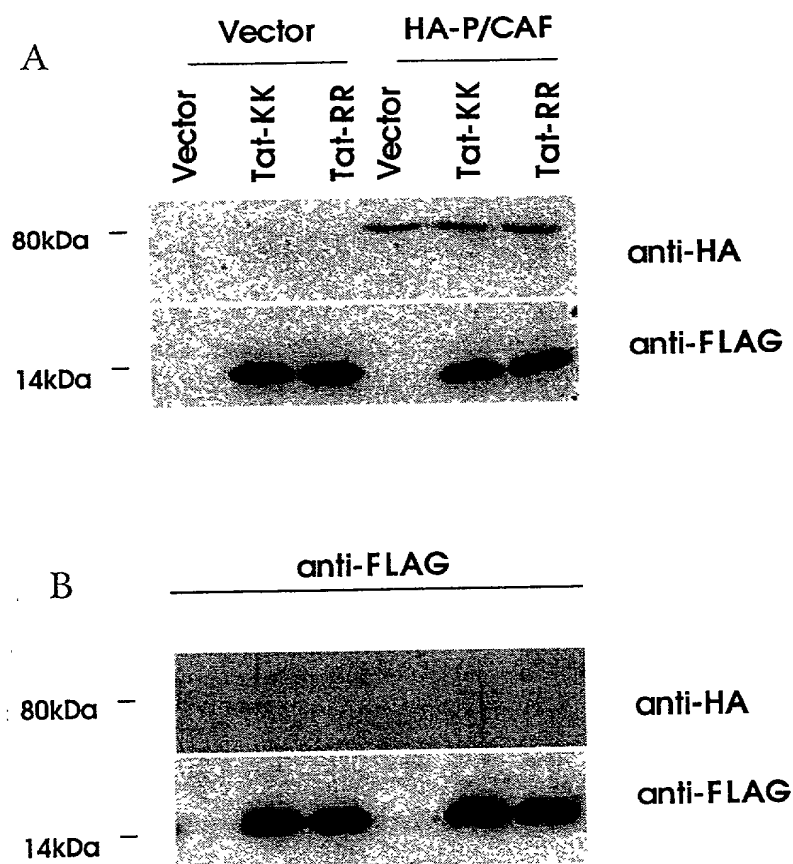
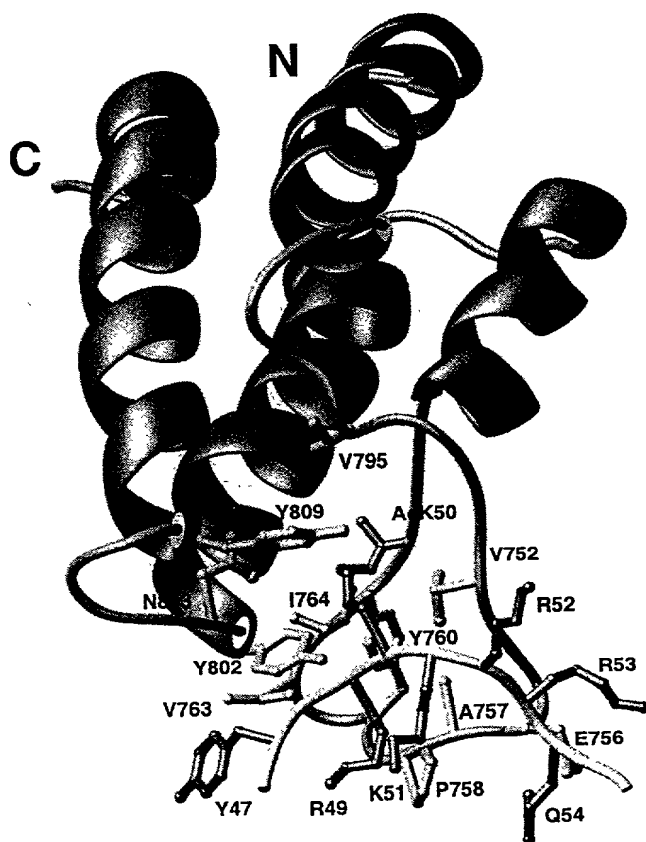


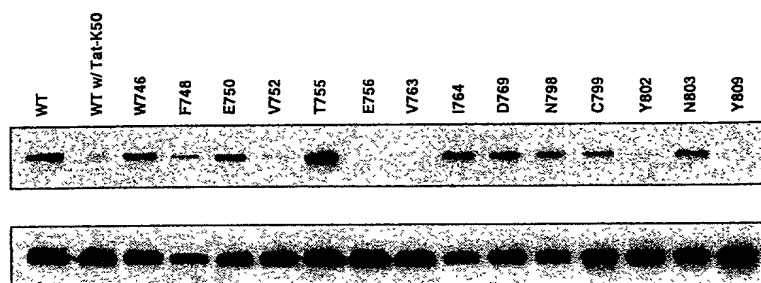
Figure 8



HIV-1 Tat Peptide: SYGR-AcK-KRRQRC

Figure 9

A



B

- | | |
|--------------------------|------------------------------------|
| 1. Control | |
| 2. Tat_K50 (aa 46-55) | SYGR- K -KRRQRC |
| 3. Tat_AcK50 | SYGR- AcK -KRRQRC |
| 4. Tat_AcK50_Y47A | SAGR- AcK -KRRQRC |
| 5. Tat_AcK50_R49A | SYGA- AcK -KRRQRC |
| 6. Tat_AcK50_K51A | SYGR- AcK -ARRQRC |
| 7. Tat_AcK50_R52A | SYGR- AcK -KARQRC |
| 8. Tat_AcK50_R53A | SYGR- AcK -KRAQRC |
| 9. Tat_AcK50_Q54A | SYGR- AcK -KRRARC |
| 10. Tat_AcK51 | SYGRK- AcK -RRQRC |
| 11. Tat_AcK28 (aa 23-33) | TNCYCK- AcK -CCFH |
| 12. Histone H4_AcK16 | SGRGKGGKGLGKGGGA- AcK -RHRK |

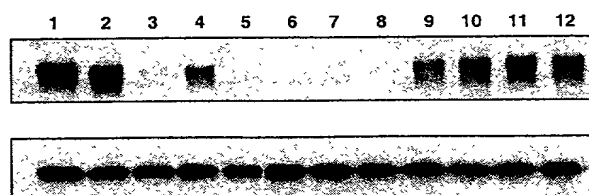


Figure 10

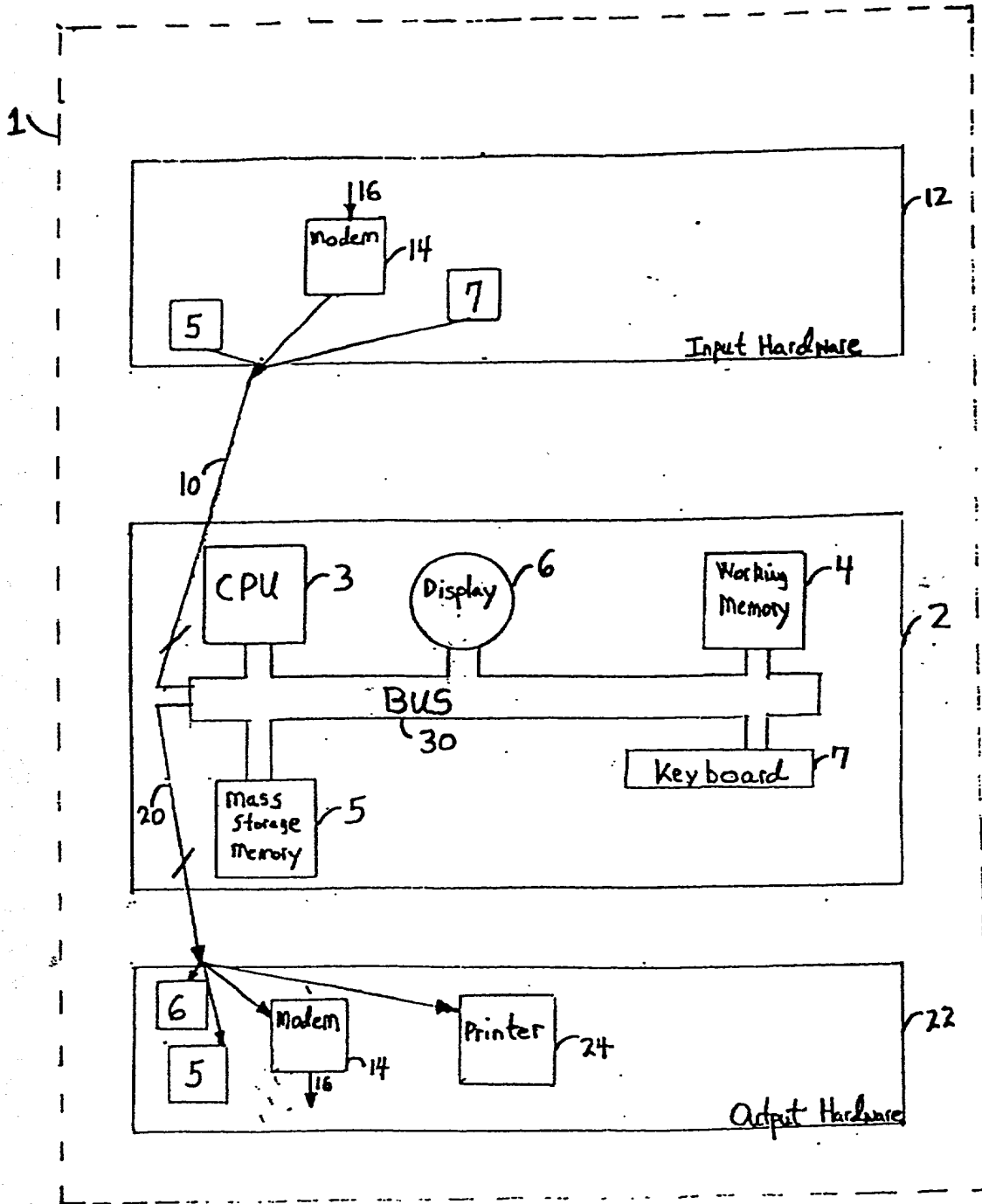
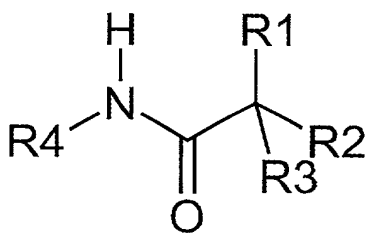


Figure 11



Where:

R₁, R₂, R₃ = H, CH₃, X (halogen: F, Cl, Br, I), OH, SH, or NH₃⁺

R₄ = alkyl, aryl

Figure 12

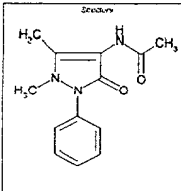
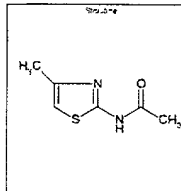
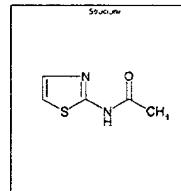
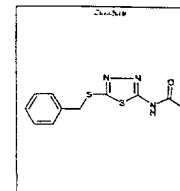
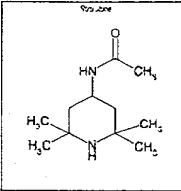
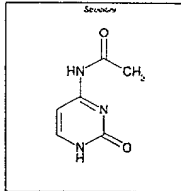
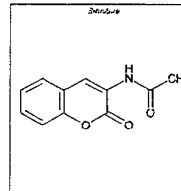
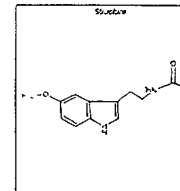
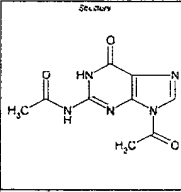
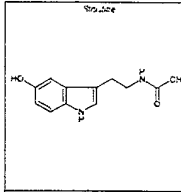
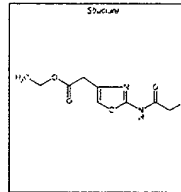
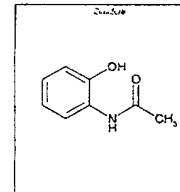
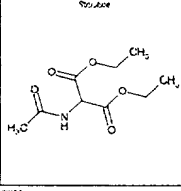
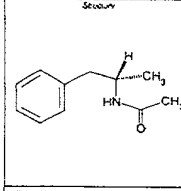
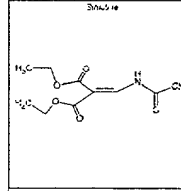
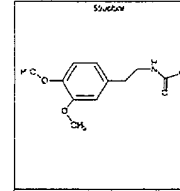
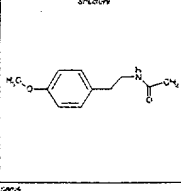
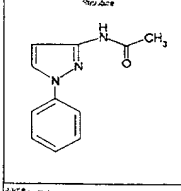
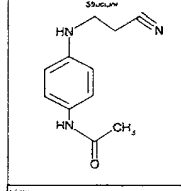
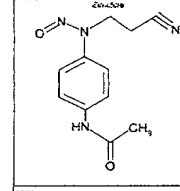
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 <p>4-Acetamido-2,2,6,6-tetramethylpiperidine</p> <p>274 $C_{11}H_{22}N_2O$</p>	 <p>N4-Acetylcytosine</p> <p>277 $C_8H_9N_3O_2$</p>	 <p>3-Acetamidocoumarin</p> <p>3 $C_{11}H_9NO_2$</p>	 <p>Melatonin</p> <p>31 $C_{13}H_{18}N_2O_2$</p>
 <p>N2,9-Diacetylguanine</p> <p>343 $C_8H_9N_5O_3$</p>	 <p>N-Acetyl-5-hydroxytryptamine</p> <p>4 $C_{12}H_{14}N_2O_2$</p>	 <p>Ethyl 2-(2-chloroacetamido)-4-thiazoleacetate</p> <p>415 $C_9H_{11}ClN_2O_5S$</p>	 <p>2-Acetamidophenol</p> <p>580 $C_8H_9NO_2$</p>
 <p>2-Acetylamino-malonic acid diethyl ester</p> <p>5100305 $C_9H_{15}NO_5$</p>	 <p>N-(1-Methyl-2-phenylethyl)-acetamide</p> <p>5100433 $C_{11}H_{15}NO$</p>	 <p>2-(Acetylamino-methylene)-malonic acid diethyl ester</p> <p>5100929 $C_{10}H_{19}NO_5$</p>	 <p>N-(2-(3,4-Dimethoxy-phenyl)-ethyl)-acetamide</p> <p>5102090 $C_{12}H_{17}NO_3$</p>
 <p>N-(2-(4-Methoxy-phenyl)-ethyl)-acetamide</p> <p>5102092 $C_{11}H_{15}NO_2$</p>	 <p>N-(1-Phenyl-1H-pyrazol-3-yl)-acetamide</p> <p>5102378 $C_{14}H_{11}N_3O$</p>	 <p>N-[4-(2-Cyano-ethylamino)-phenyl]-acetamide</p> <p>5102700 $C_{11}H_{13}N_3O$</p>	 <p>???</p> <p>5102701 $C_{11}H_{15}NO_2$</p>

Figure 13-1

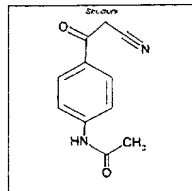
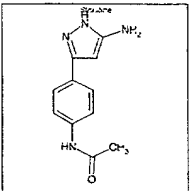
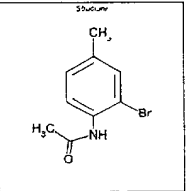
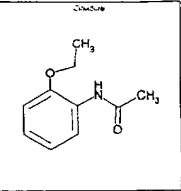
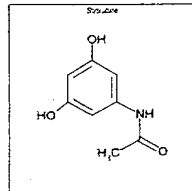
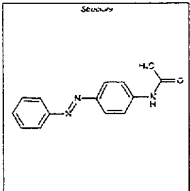
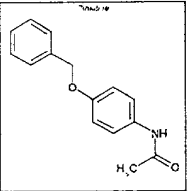
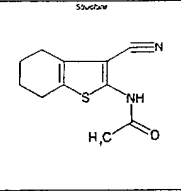
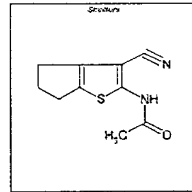
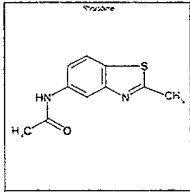
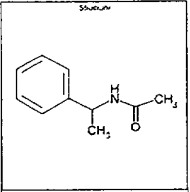
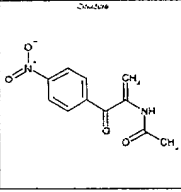
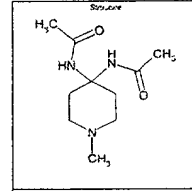
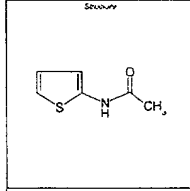
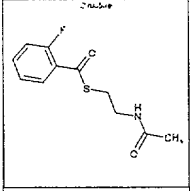
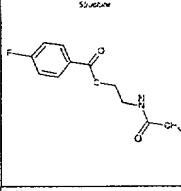
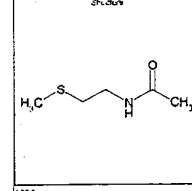
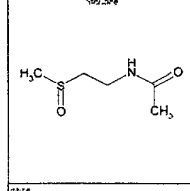
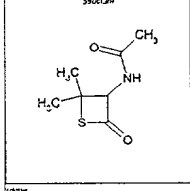
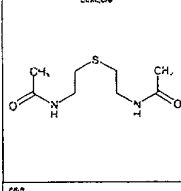
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 <p>N-(3,5-Dihydroxy-phenyl)-acetamide</p> <p>5106727 $C_8H_9NO_3$</p>	 <p>N-(4-Phenylazo-phenyl)-acetamide</p> <p>5106974 $C_{14}H_{13}NO$</p>	 <p>N-(4-Benzyloxy-phenyl)-acetamide</p> <p>5107131 $C_{15}H_{15}NO_2$</p>	 <p>N-(3-Cyano-4,5,6,7-tetrahydro-benzothien-2-yl)-acetamide</p> <p>5107418 $C_{11}H_{12}N_2OS$</p>
 <p>N-(3-Cyano-5,6-dihydro-4H-cyclopenta[b]thiophen-2-yl)-acetamide</p> <p>5107423 $C_{10}H_{10}N_2OS$</p>	 <p>N-(2-Methyl-benzothiazol-5-yl)-acetamide</p> <p>5107835 $C_{10}H_{10}N_2OS$</p>	 <p>N-(1-Phenyl-ethyl)-acetamide</p> <p>5108520 $C_{10}H_{13}NO$</p>	 <p>N-(1-(4-Nitro-benzoyl)-vinyl)-acetamide</p> <p>5110091 $C_{11}H_{12}N_2O_4$</p>
 <p>N-(4-Acetyl-amino-1-methyl-piperidin-4-yl)-acetamide</p> <p>5118841 $C_{19}H_{29}N_3O_2$</p>	 <p>N-Thiophen-2-yl-acetamide</p> <p>5119019 C_8H_7NOS</p>	 <p>2-Fluoro-thiobenzoic acid S-(2-acetyl-amino-ethyl) ester</p> <p>5119237 $C_{11}H_{12}FNO_2S$</p>	 <p>2-Fluoro-thiobenzoic acid S-(2-acetyl-amino-ethyl) ester</p> <p>5119238 $C_{11}H_{12}FNO_2S$</p>
 <p>N-(2-Methylsulfonyl-ethyl)-acetamide</p> <p>5119299 $C_8H_{11}NO_3S$</p>	 <p>N-(2-Methanesulfonyl-ethyl)-acetamide</p> <p>5119302 $C_8H_{11}NO_2S$</p>	 <p>N-(2,2-Dimethyl-4-oxo-thietan-3-yl)-acetamide</p> <p>5119316 $C_7H_{11}NO_2S$</p>	 <p>N-(2-(2-Acetyl-amino-ethyl)thio-phenyl)-acetamide</p> <p>5119332 $C_{16}H_{19}NO_2S$</p>

Figure 13-2

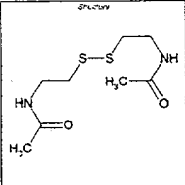
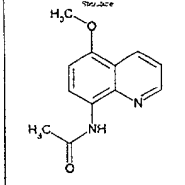
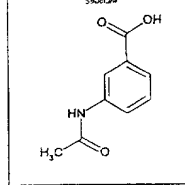
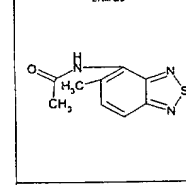
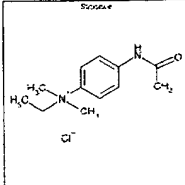
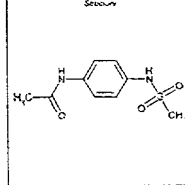
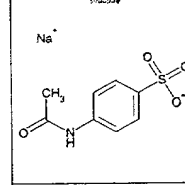
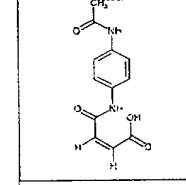
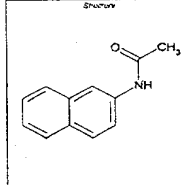
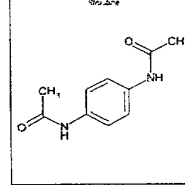
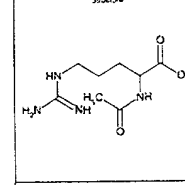
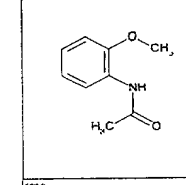
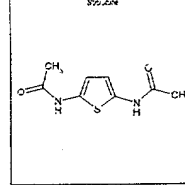
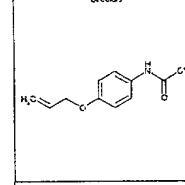
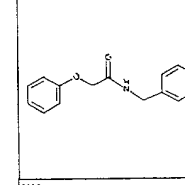
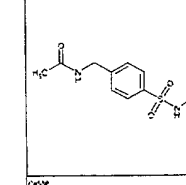
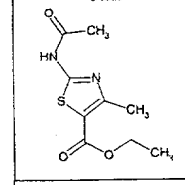
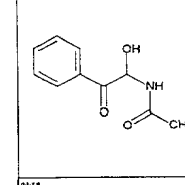
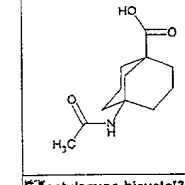
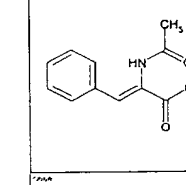
 <p>N-[2-(2-Acetylamino-ethylthio)-ethyl]-acetamide</p> <p>5119333 $C_8H_{16}N_2O_2S_2$</p>	 <p>N-(5-Methoxy-quinolin-8-yl)-acetamide</p> <p>5121921 $C_{12}H_{12}N_2O_2$</p>	 <p>3-Acetylamino-benzoic acid</p> <p>5128194 $C_9H_9NO_3$</p>	 <p>N-(5-Methyl-benzo[1,2,5]thiadiazol-4-yl)-acetamide</p> <p>5131057 $C_9H_7N_3OS$</p>
 <p>(4-Acetylamino-phenyl)-ethyl-dimethyl-ammonium chloride</p> <p>5132286 $C_{12}H_{19}ClN_2O$</p>	 <p>N-(4-Methanesulfonylamino-phenyl)-acetamide</p> <p>5133885 $C_9H_{11}N_2O_3S$</p>	 <p>4-Acetylamino-benzenesulfonate sodium</p> <p>5134865 $C_8H_9NNaO_3S$</p>	 <p>(Z)-3-(4-Acetylamino-phenyl-carbamoyl)-acrylic acid</p> <p>5135478 $C_{12}H_{12}N_2O_4$</p>
 <p>N-Naphthalen-2-yl-acetamide</p> <p>5135520 $C_{12}H_{11}NO$</p>	 <p>N-(4-Acetylamino-phenyl)-acetamide</p> <p>5135539 $C_{10}H_{12}N_2O_2$</p>	 <p>2-Acetylamino-5-guanidino-pentanoic acid</p> <p>5137138 $C_8H_{16}N_4O_3$</p>	 <p>N-(2-Methoxy-phenyl)-acetamide</p> <p>5137141 $C_9H_{11}NO_2$</p>
 <p>N-(5-Acetylamino-thiophen-2-yl)-acetamide</p> <p>5137797 $C_8H_{10}N_2O_3S$</p>	 <p>4-Allyloxyacetanilide</p> <p>514 $C_{11}H_{13}NO_2$</p>	 <p>N-Benzyl-2-phenoxy-acetamide</p> <p>5140095 $C_{15}H_{15}NO_2$</p>	 <p>???</p> <p>5144136 $C_9H_{11}NO_2$</p>
 <p>N-(2-Acetylamino-4-methyl-thiazole-5-carboxylic acid ethyl ester)</p> <p>5144565 $C_{12}H_{12}N_2O_5S$</p>	 <p>N-(1-Hydroxy-2-oxo-2-phenyl-ethyl)-acetamide</p> <p>5144583 $C_{10}H_{11}NO_3$</p>	 <p>5-Acetylamino-bicyclo[3.3.1]nonane-1-carboxylic acid</p> <p>5145196 $C_{12}H_{19}NO_3$</p>	 <p>(Z)-2-Acetylamino-3-phenyl-acrylic acid</p> <p>5145568 $C_{11}H_{11}NO_3$</p>

Figure 13-3

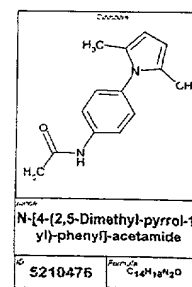
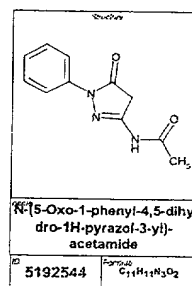
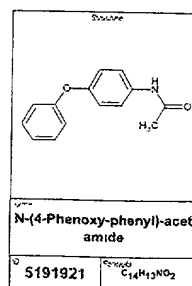
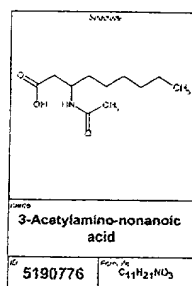
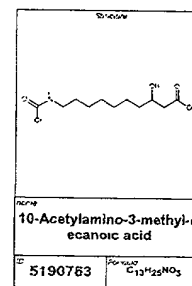
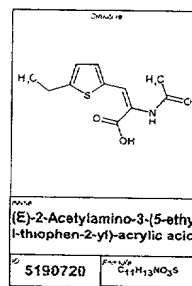
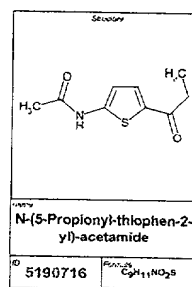
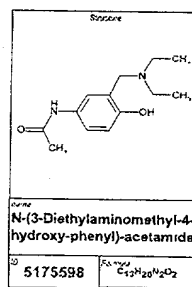
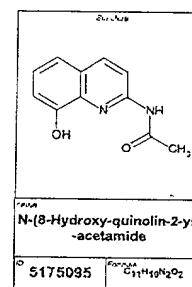
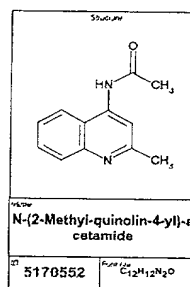
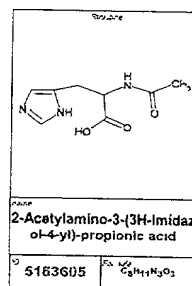
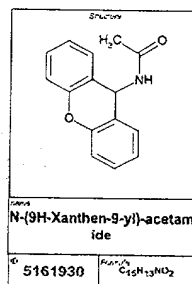
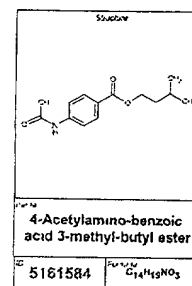
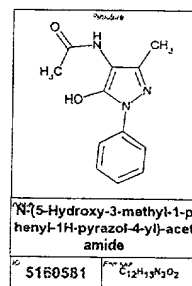
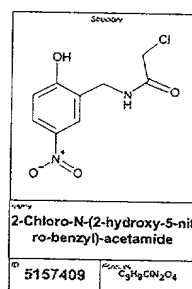
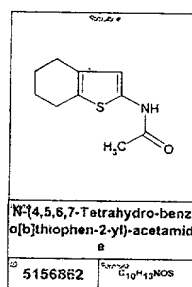
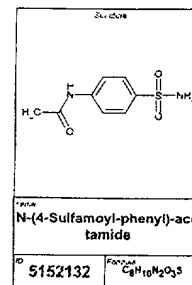
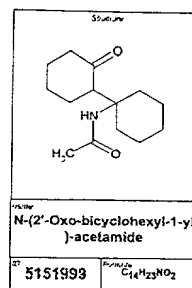
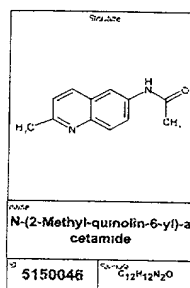
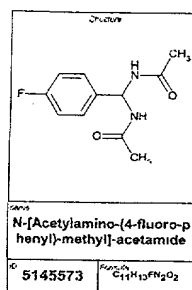


Figure 13-4

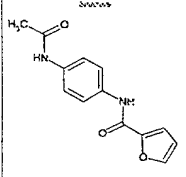
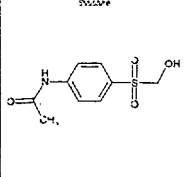
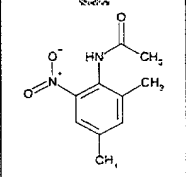
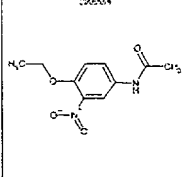
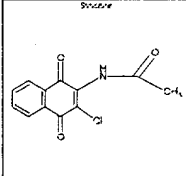
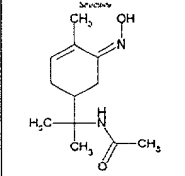
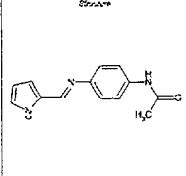
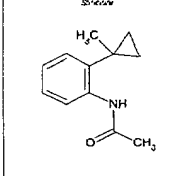
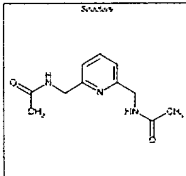
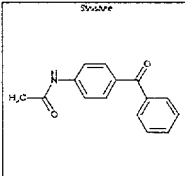
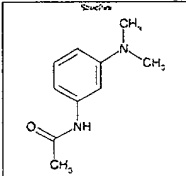
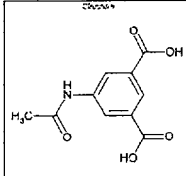
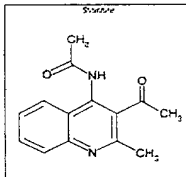
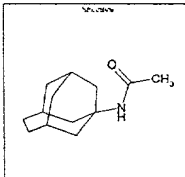
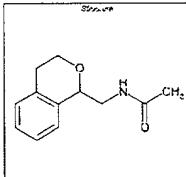
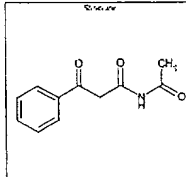
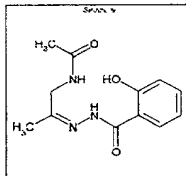
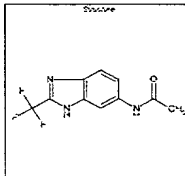
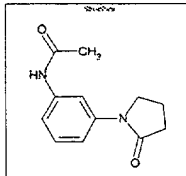
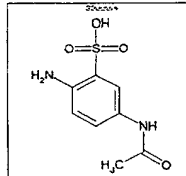
 <p>NAME Furan-2-carboxylic acid (4-acetyl-amino-phenyl)-amide</p> <p>ID 5210612 Formula C₁₃H₁₂N₂O₃</p>	 <p>NAME N-(4-Hydroxymethanesulfonyl-phenyl)-acetamide</p> <p>ID 5210745 Formula C₉H₁₁NO₄S</p>	 <p>NAME N-(2,4-Dimethyl-6-nitro-phenyl)-acetamide</p> <p>ID 5211945 Formula C₁₀H₁₂N₂O₃</p>	 <p>NAME N-(4-Ethoxy-3-nitro-phenyl)-acetamide</p> <p>ID 5211946 Formula C₁₀H₁₂N₂O₄</p>
 <p>NAME N-(3-Chloro-1,4-dioxo-1,4-dihydro-naphthalen-2-yl)-acetamide</p> <p>ID 5212521 Formula C₁₂H₇ClNO₃</p>	 <p>NAME N-[1-(5-[(Z)-Hydroxyimino]-4-methyl-cyclohex-3-enyl)-1-methyl-ethyl]-acetamide</p> <p>ID 5213911 Formula C₁₂H₂₀N₂O₂</p>	 <p>NAME N-[4-[(1-(1H-Pyrrol-2-yl)-meth-(E)-ylidene)-amino]-phenyl]-acetamide</p> <p>ID 5214576 Formula C₁₃H₁₃N₃O</p>	 <p>NAME N-[2-(1-Methyl-cyclopropyl)-phenyl]-acetamide</p> <p>ID 5216286 Formula C₁₂H₁₅NO</p>
 <p>NAME N-[6-(Acetyl-amino-methyl)-pyridin-2-ylmethyl]-acetamide</p> <p>ID 5219860 Formula C₁₁H₁₃N₃O₂</p>	 <p>NAME N-(4-Benzoyl-phenyl)-acetamide</p> <p>ID 5226796 Formula C₁₅H₁₃NO₂</p>	 <p>NAME N-[3-Dimethylamino-phenyl]-acetamide</p> <p>ID 5228142 Formula C₁₀H₁₄N₂O</p>	 <p>NAME 5-Acetyl-amino-isophthalic acid</p> <p>ID 5233529 Formula C₁₀H₉NO₃</p>
 <p>NAME N-(3-Acetyl-2-methyl-quinolin-4-yl)-acetamide</p> <p>ID 5234425 Formula C₁₄H₁₄N₂O₂</p>	 <p>NAME N-Tricyclo[4.3.1.1]undec-1-yl)-acetamide</p> <p>ID 5235037 Formula C₁₃H₂₁NO</p>	 <p>NAME N-Isoschroman-1-ylmethyl)-acetamide</p> <p>ID 5237699 Formula C₁₂H₁₅NO₂</p>	 <p>NAME N-(3-Oxo-3-phenyl-propionyl)-acetamide</p> <p>ID 5238359 Formula C₁₁H₁₃NO₃</p>
 <p>NAME N-[2-[(2-Hydroxy-benzoyl)-hydrazono]-propyl]-acetamide</p> <p>ID 5238480 Formula C₁₂H₁₃N₃O₃</p>	 <p>NAME N-[2-Trifluoromethyl-3H-benzimidazol-5-yl)-acetamide</p> <p>ID 5248854 Formula C₁₀H₈F₃N₃O</p>	 <p>NAME N-[3-(2-Oxo-pyrrolidin-1-yl)-phenyl]-acetamide</p> <p>ID 5249307 Formula C₁₂H₁₄N₂O₂</p>	 <p>NAME 5-Acetyl-amino-2-amino-benzensulfonic acid</p> <p>ID 5252844 Formula C₉H₁₀N₂O₄S</p>

Figure 13-5

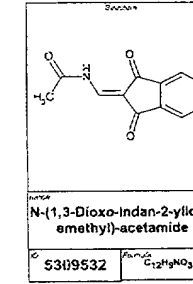
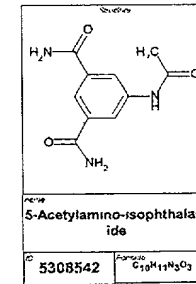
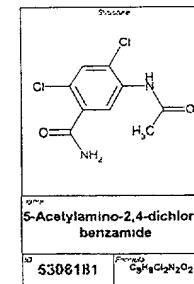
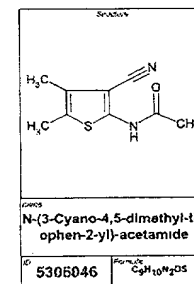
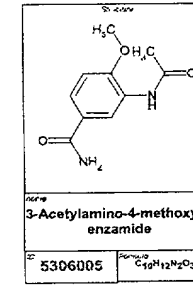
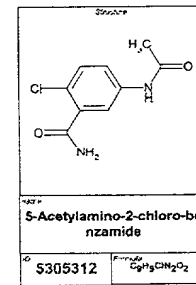
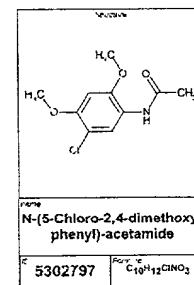
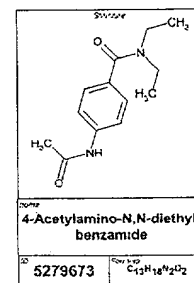
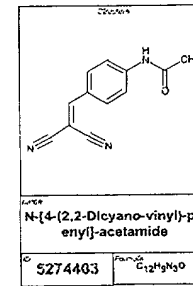
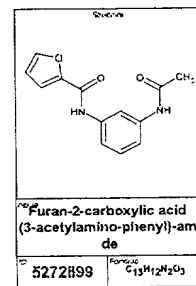
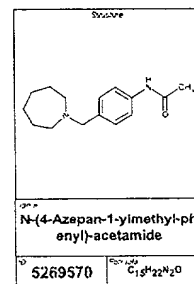
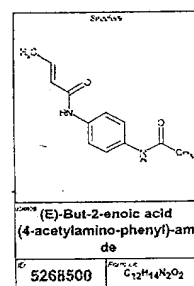
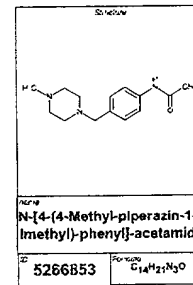
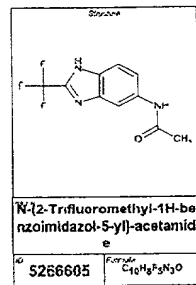
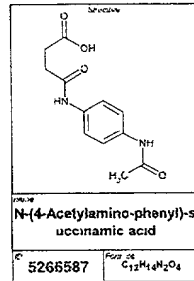
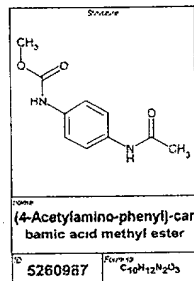
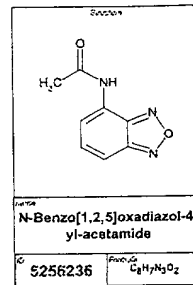
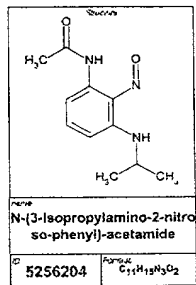
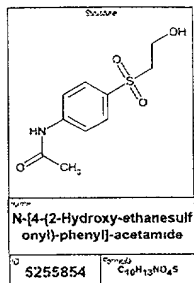
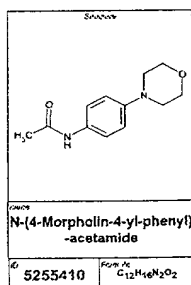


Figure 13-6

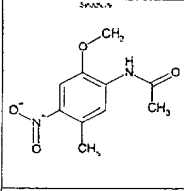
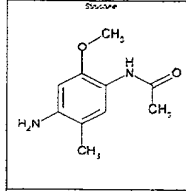
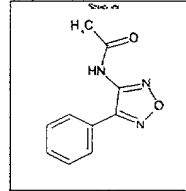
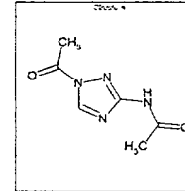
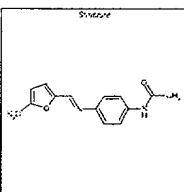
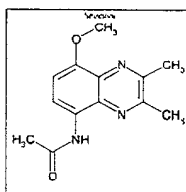
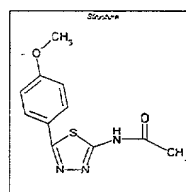
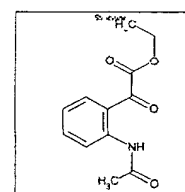
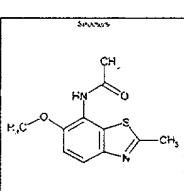
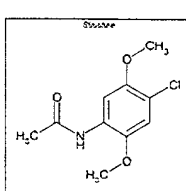
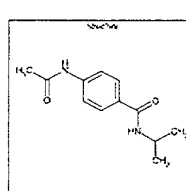
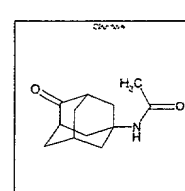
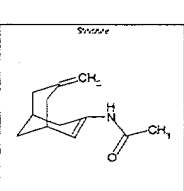
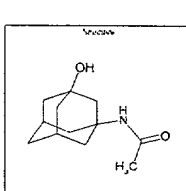
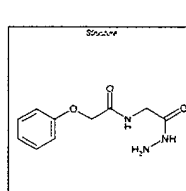
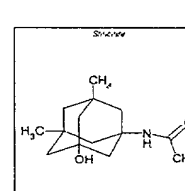
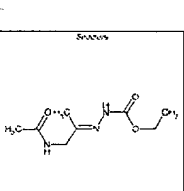
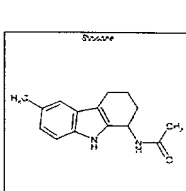
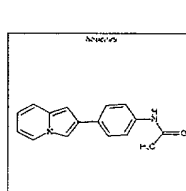
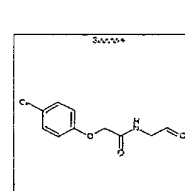
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 <p>NAME N-[4-([1-(5-Methyl-furan-2-yl)-meth-(E)-ylidene)-amino]-phenyl]-acetamide</p> <p>ID 5313754 Formula $C_{14}H_{14}N_2O_2$</p>	 <p>NAME N-(8-Methoxy-2,3-dimethyl-quinoxalin-5-yl)-acetamide</p> <p>ID 5316088 Formula $C_{13}H_{14}N_2O_2$</p>	 <p>NAME N-[5-(4-Methoxy-phenyl)-[1,3,4]thiadiazol-2-yl]-acetamide</p> <p>ID 5318146 Formula $C_{11}H_{11}N_3O_2S$</p>	 <p>NAME (2-Acetyl-amino-phenyl)-oxo-acetic acid ethyl ester</p> <p>ID 5323911 Formula $C_{12}H_{13}NO_4$</p>
 <p>NAME N-(6-Methoxy-2-methyl-benzothiazol-7-yl)-acetamide</p> <p>ID 5325303 Formula $C_{11}H_{12}N_2O_2S$</p>	 <p>NAME N-(4-Chloro-2,5-dimethoxy-phenyl)-acetamide</p> <p>ID 5331993 Formula $C_{10}H_{12}ClNO_2$</p>	 <p>NAME 4-Acetyl-amino-N-isopropyl-phenyl)-acetamide</p> <p>ID 5334418 Formula $C_{12}H_{16}N_2O_2$</p>	 <p>NAME N-(4-Oxo-adamantan-1-yl)-acetamide</p> <p>ID 5348256 Formula $C_{12}H_{17}NO_2$</p>
 <p>NAME N-(7-Methylene-bicyclo[3.3.1]non-2-en-3-yl)-acetamide</p> <p>ID 5347722 Formula $C_{12}H_{17}NO$</p>	 <p>NAME N-(3-Hydroxy-adamantan-1-yl)-acetamide</p> <p>ID 5347923 Formula $C_{12}H_{19}NO_2$</p>	 <p>NAME N-Hydrazinocarbonylmethyl-2-phenoxy-acetamide</p> <p>ID 5352012 Formula $C_{10}H_{13}N_3O_3$</p>	 <p>NAME N-(3-Hydroxy-5,7-dimethyl-adamantan-1-yl)-acetamide</p> <p>ID 5352666 Formula $C_{14}H_{23}NO_2$</p>
 <p>NAME N-[2-Acetyl-amino-1-methyl-eth-(E)-ylidene]-hydrazinecarboxylic acid ethyl ester</p> <p>ID 5353737 Formula $C_8H_{13}N_3O_3$</p>	 <p>NAME N-(6-Methyl-2,3,4,9-tetrahydro-1H-carbazol-1-yl)-acetamide</p> <p>ID 5373714 Formula $C_{15}H_{19}N_2O$</p>	 <p>NAME N-(4-Indolizin-2-yl-phenyl)-acetamide</p> <p>ID 5380715 Formula $C_{18}H_{14}N_2O$</p>	 <p>NAME N-Allyl-2-(4-chloro-phenoxy)-acetamide</p> <p>ID 5403842 Formula $C_{11}H_{12}ClNO_2$</p>

Figure 13-7

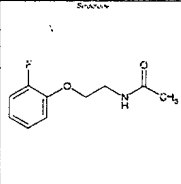
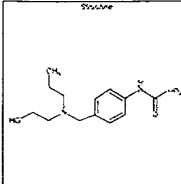
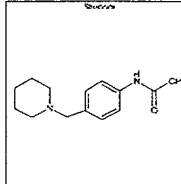
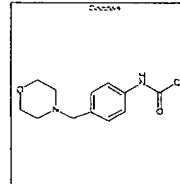
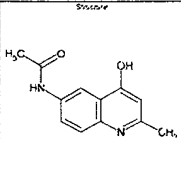
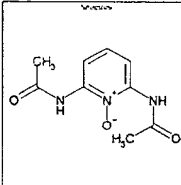
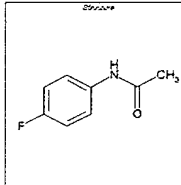
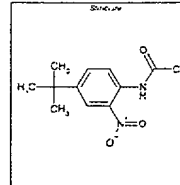
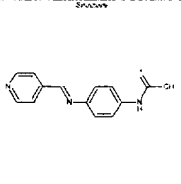
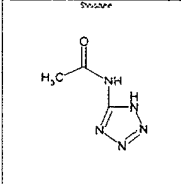
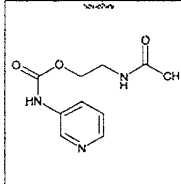
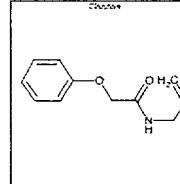
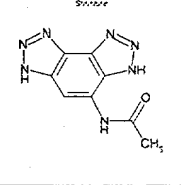
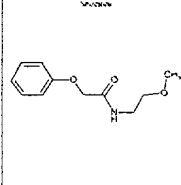
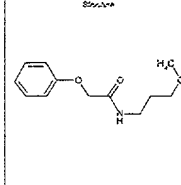
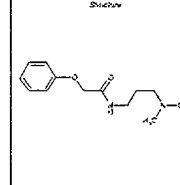
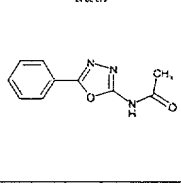
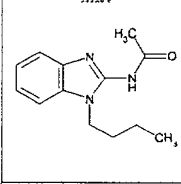
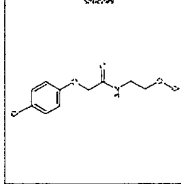
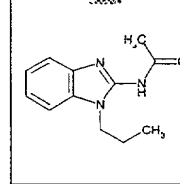
 <p>N-[2-(2-Fluoro-phenoxy)-ethyl]-acetamide</p> <p>ID: 5404444 Formula: $C_{10}H_{12}FNO_2$</p>	 <p>N-[4-[[2-(2-Hydroxy-ethyl)-propyl-amino]-methyl]-phenyl]-acetamide</p> <p>ID: 5423275 Formula: $C_{14}H_{22}N_2O_2$</p>	 <p>N-(4-Piperidin-1-ylmethyl-phenyl)-acetamide</p> <p>ID: 5425039 Formula: $C_{14}H_{20}N_2O$</p>	 <p>N-(4-Morpholin-4-ylmethyl-phenyl)-acetamide</p> <p>ID: 5426608 Formula: $C_{13}H_{18}N_2O_2$</p>
 <p>N-[4-Hydroxy-2-methyl-quinolin-6-yl]-acetamide</p> <p>ID: 5470439 Formula: $C_{12}H_{12}N_2O_2$</p>	 <p>N-(6-Acetylamino-1-oxy-pyridin-2-yl)-acetamide</p> <p>ID: 5474173 Formula: $C_9H_{11}N_3O_2$</p>	 <p>4-Fluoroacetanilide</p> <p>ID: 548 Formula: C_8H_8FNO</p>	 <p>N-(4-tert-Butyl-2-nitro-phenyl)-acetamide</p> <p>ID: 5485259 Formula: $C_{12}H_{16}N_2O_2$</p>
 <p>N-[4-[[1-(Pyridin-4-yl)-meth-(E)-ylidene]-amino]-phenyl]-acetamide</p> <p>ID: 5509419 Formula: $C_{14}H_{13}N_3O$</p>	 <p>N-(1H-Tetrazol-5-yl)-acetamide</p> <p>ID: 5510963 Formula: $C_3H_3N_5O$</p>	 <p>Pyridin-3-yl-carbamic acid 2-acetylamino-ethyl ester</p> <p>ID: 5522408 Formula: $C_{10}H_{13}N_3O_3$</p>	 <p>N-Allyl-2-phenoxy-acetamide</p> <p>ID: 5523973 Formula: $C_{11}H_{13}NO_2$</p>
 <p>N-[3,6-Dihydro-benzo[1,2-d:3,4-d']bistriazol-4-yl]-acetamide</p> <p>ID: 5529796 Formula: $C_8H_7N_7O$</p>	 <p>N-(2-Methoxy-ethyl)-2-phenoxy-acetamide</p> <p>ID: 5531808 Formula: $C_{11}H_{15}NO_3$</p>	 <p>N-(3-Methoxy-propyl)-2-phenoxy-acetamide</p> <p>ID: 5544954 Formula: $C_{12}H_{17}NO_3$</p>	 <p>N-(3-Dimethylamino-propyl)-2-phenoxy-acetamide</p> <p>ID: 5548376 Formula: $C_{13}H_{20}N_2O_2$</p>
 <p>N-(5-Phenyl-[1,3,4]oxadiazol-2-yl)-acetamide</p> <p>ID: 5549905 Formula: $C_{10}H_8N_4O_2$</p>	 <p>N-(1-Butyl-1H-benzimidazol-2-yl)-acetamide</p> <p>ID: 5553131 Formula: $C_{13}H_{17}N_3O$</p>	 <p>2-(4-Chloro-phenoxy)-N-(2-methoxy-ethyl)-acetamide</p> <p>ID: 5553166 Formula: $C_{11}H_{14}ClNO_3$</p>	 <p>N-(1-Propyl-1H-benzimidazol-2-yl)-acetamide</p> <p>ID: 5553756 Formula: $C_{12}H_{13}N_3O$</p>

Figure 13-8

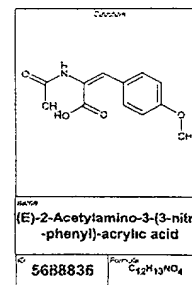
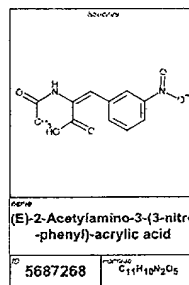
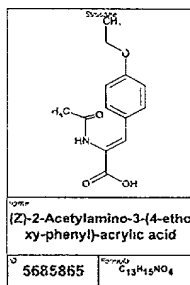
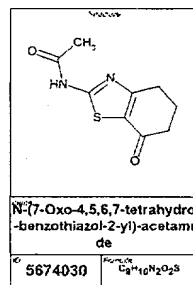
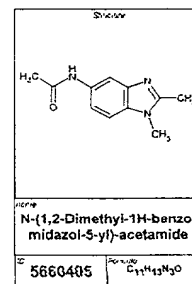
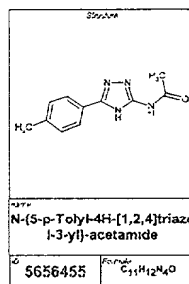
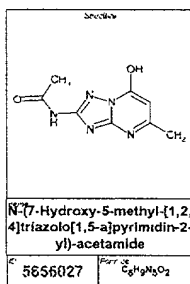
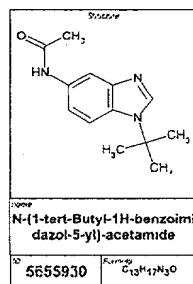
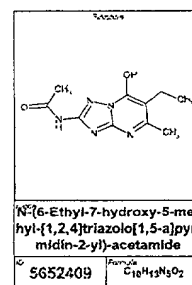
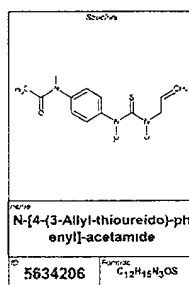
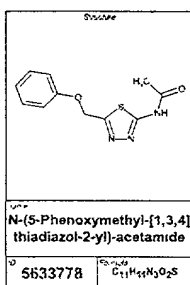
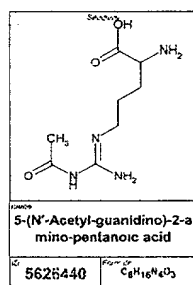
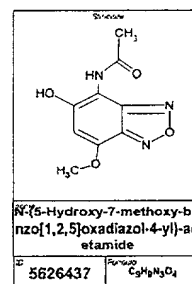
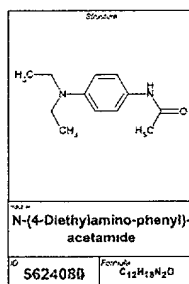
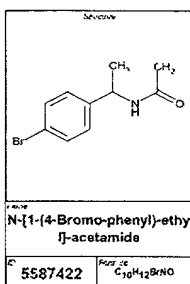
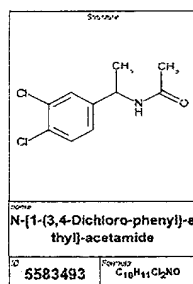
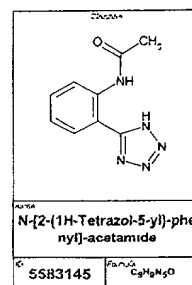
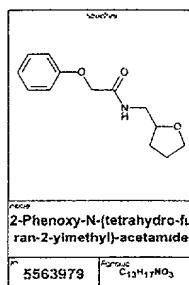
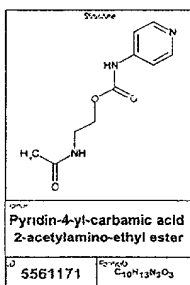
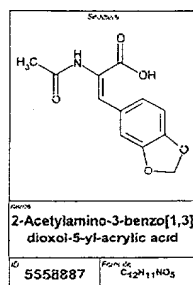


Figure 13-9

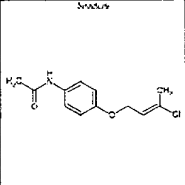
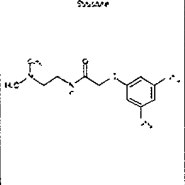
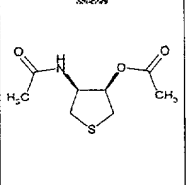
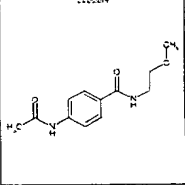
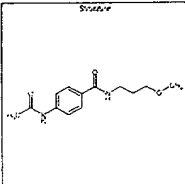
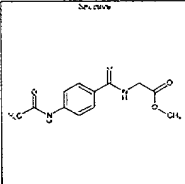
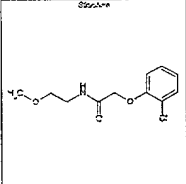
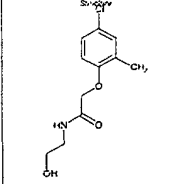
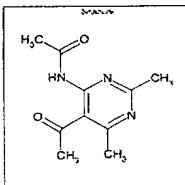
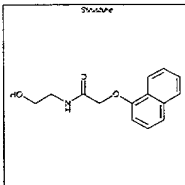
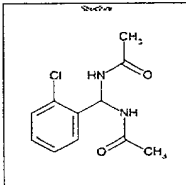
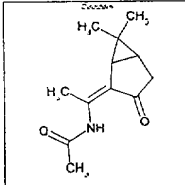
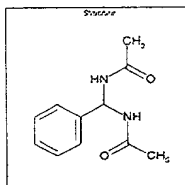
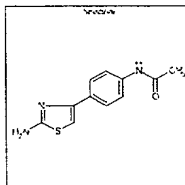
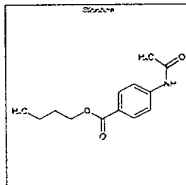
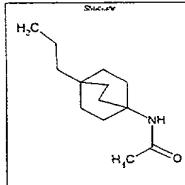
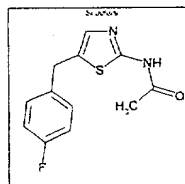
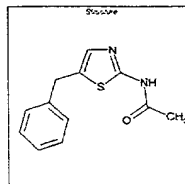
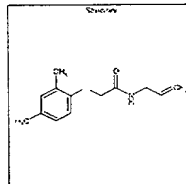
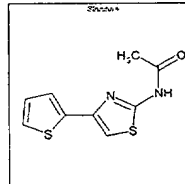
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 <p>NAME 4-Acetylamino-N-(3-methoxy-propyl)-benzamide</p> <p>ID 5739629 Formula $C_{12}H_{16}N_2O_3$</p>	 <p>NAME (4-Acetylamino-benzoylamino)-acetic acid methyl ester</p> <p>ID 5740840 Formula $C_{12}H_{14}N_2O_4$</p>	 <p>NAME 2-(2-Chloro-phenoxy)-N-(2-methoxy-ethyl)-acetamide</p> <p>ID 5798772 Formula $C_{11}H_{14}ClNO_3$</p>	 <p>NAME 2-(4-Chloro-2-methyl-phenoxy)-N-(2-hydroxy-ethyl)-acetamide</p> <p>ID 5809836 Formula $C_{11}H_{14}ClNO_3$</p>
 <p>NAME N-(5-Acetyl-2,6-dimethyl-pyrimidin-4-yl)-acetamide</p> <p>ID 5810733 Formula $C_{10}H_{12}N_2O_3$</p>	 <p>NAME N-(2-Hydroxy-ethyl)-2-(naphthalen-1-yloxy)-acetamide</p> <p>ID 5811720 Formula $C_{14}H_{12}NO_3$</p>	 <p>NAME N-[Acetylamino-(2-chlorophenyl)-methyl]-acetamide</p> <p>ID 5824734 Formula $C_{11}H_{13}ClN_2O_2$</p>	 <p>NAME N-[1-[6,6-Dimethyl-3-oxo-bicyclo[3.1.0]hex-(2Z)-ylidene]-ethyl]-acetamide</p> <p>ID 5827999 Formula $C_{12}H_{17}NO_2$</p>
 <p>NAME N-(Acetylamino-phenyl-methyl)-acetamide</p> <p>ID 5828027 Formula $C_{11}H_{14}N_2O_2$</p>	 <p>NAME N-[4-(2-Amino-thiazol-4-yl)-phenyl]-acetamide</p> <p>ID 5835173 Formula $C_{11}H_{11}N_3OS$</p>	 <p>NAME 4-Acetylamino-benzoic acid butyl ester</p> <p>ID 5840961 Formula $C_{13}H_{17}NO_3$</p>	 <p>NAME N-(4-Propyl-bicyclo[2.2.2]oct-1-yl)-acetamide</p> <p>ID 5850382 Formula $C_{12}H_{23}NO$</p>
 <p>NAME N-[5-(4-Fluoro-benzyl)-thiazol-2-yl]-acetamide</p> <p>ID 5851471 Formula $C_{12}H_{11}FN_2OS$</p>	 <p>NAME N-(5-Benzyl-thiazol-2-yl)-acetamide</p> <p>ID 5853200 Formula $C_{12}H_{12}N_2OS$</p>	 <p>NAME N-Allyl-2-(2,4-dimethyl-phenoxy)-acetamide</p> <p>ID 5854702 Formula $C_{13}H_{17}NO_2$</p>	 <p>NAME N-(4-Thiophen-2-yl-thiazol-2-yl)-acetamide</p> <p>ID 5879151 Formula $C_9H_7N_2OS_2$</p>

Figure 13-10

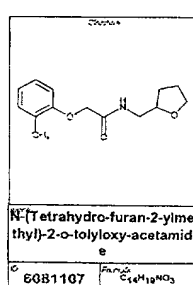
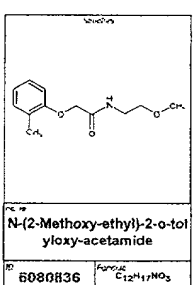
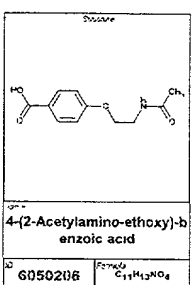
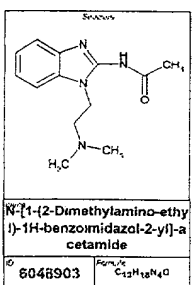
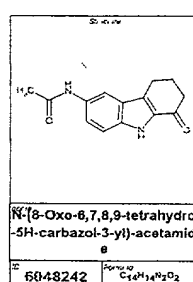
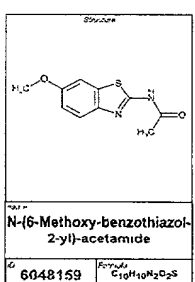
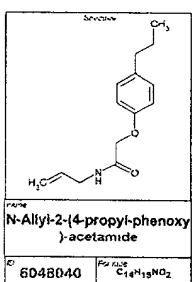
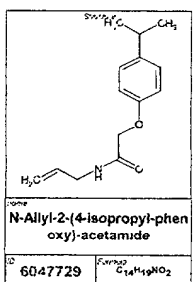
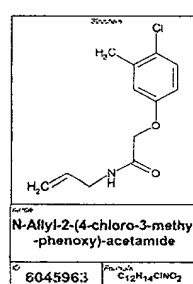
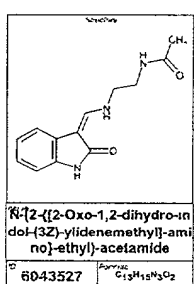
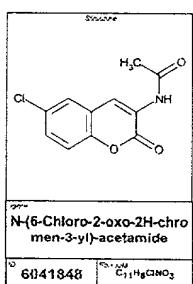
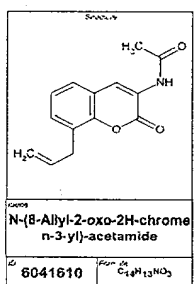
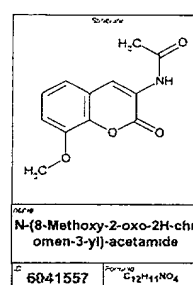
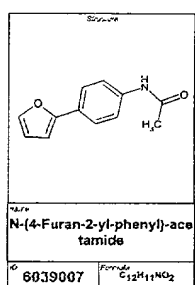
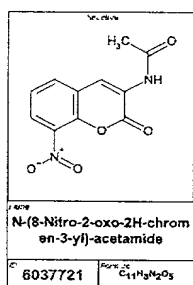
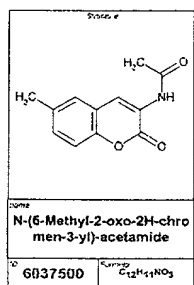
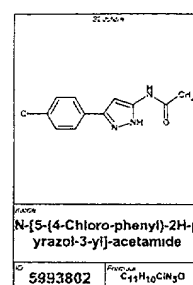
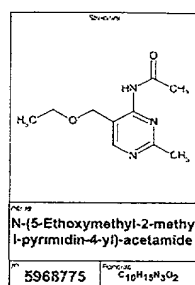
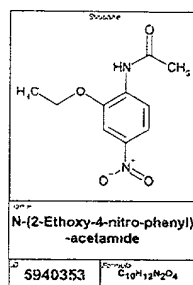
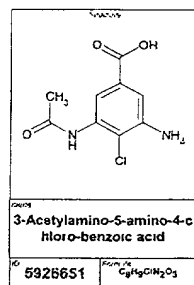


Figure 13-11

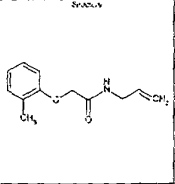
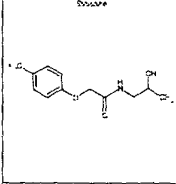
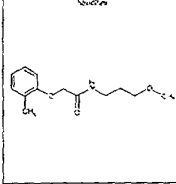
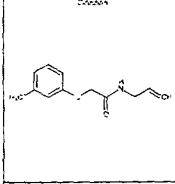
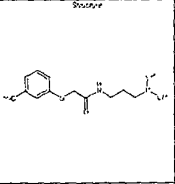
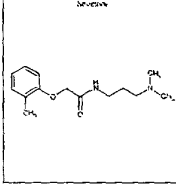
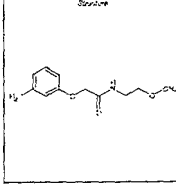
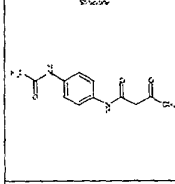
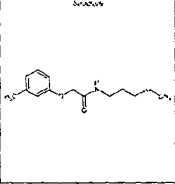
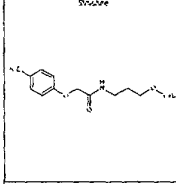
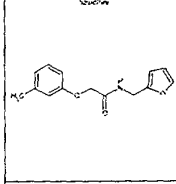
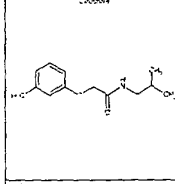
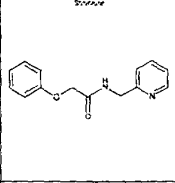
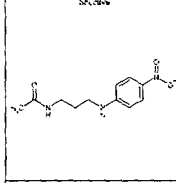
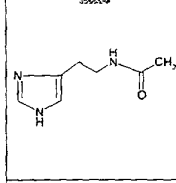
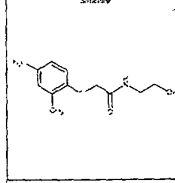
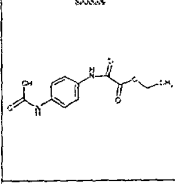
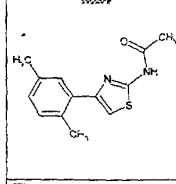
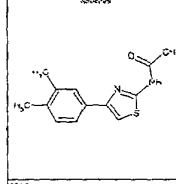
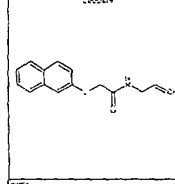
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 <p>Structure</p> <p>None</p> <p>2-Phenoxy-N-pyridin-2-ylmethyl-acetamide</p> <p>6096854 $C_{14}H_{14}N_2O_2$</p>	 <p>Structure</p> <p>None</p> <p>N-[3-(4-Nitro-phenylamino)-propyl]-acetamide</p> <p>6098516 $C_{11}H_{13}N_3O_3$</p>	 <p>Structure</p> <p>None</p> <p>Nw-Acetylhistamine</p> <p>81 $C_{7}H_{11}N_3O$</p>	 <p>Structure</p> <p>None</p> <p>2-[2,4-Dimethyl-phenoxy]-N-(2-hydroxy-ethyl)-acetamide</p> <p>6120784 $C_{12}H_{17}NO_3$</p>
 <p>Structure</p> <p>None</p> <p>N-(4-Acetylamino-phenyl)-oxalamic acid ethyl ester</p> <p>6127010 $C_{12}H_{14}N_2O_4$</p>	 <p>Structure</p> <p>None</p> <p>N-[4-(2,5-Dimethyl-phenyl)-thiazol-2-yl]-acetamide</p> <p>6131486 $C_{13}H_{14}N_2OS$</p>	 <p>Structure</p> <p>None</p> <p>N-[4-[3,4-Dimethyl-phenyl]-thiazol-2-yl]-acetamide</p> <p>6131723 $C_{13}H_{14}N_2OS$</p>	 <p>Structure</p> <p>None</p> <p>N-Allyl-2-(naphthalen-2-yl)oxy-acetamide</p> <p>6139453 $C_{15}H_{15}NO_2$</p>

Figure 13-12

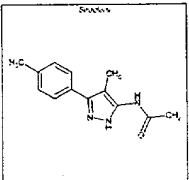
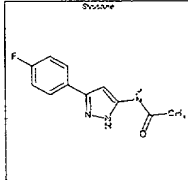
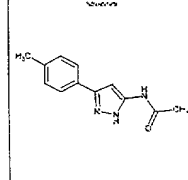
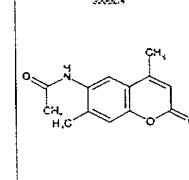
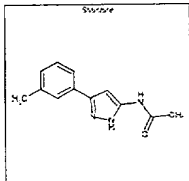
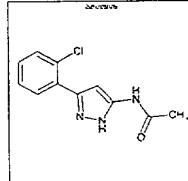
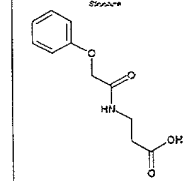
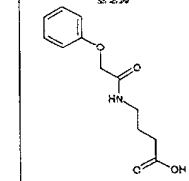
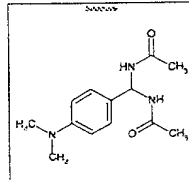
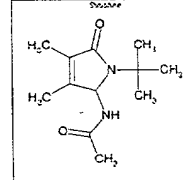
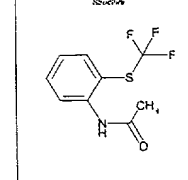
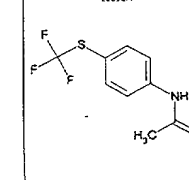
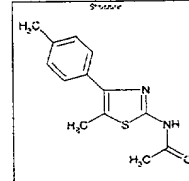
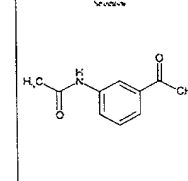
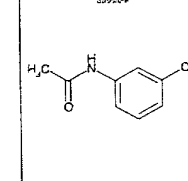
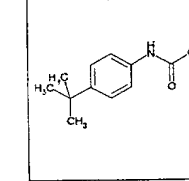
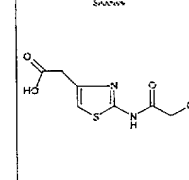
 <p>NAME N-(4-Methyl-5-p-tolyl-2H-pyrazol-3-yl)-acetamide</p> <p>ID 6140272 Formula C₁₃H₁₃N₃O</p>	 <p>NAME N-[5-(4-Fluoro-phenyl)-2H-pyrazol-3-yl]-acetamide</p> <p>ID 6143917 Formula C₁₁H₁₀FN₃O</p>	 <p>NAME N-(5-p-Tolyl-2H-pyrazol-3-yl)-acetamide</p> <p>ID 6144889 Formula C₁₂H₁₃N₃O</p>	 <p>NAME N-(4,7-Dimethyl-2-oxo-2H-chromen-6-yl)-acetamide</p> <p>ID 6153309 Formula C₁₅H₁₃N₃O₃</p>
 <p>NAME N-(5-m-Tolyl-2H-pyrazol-3-yl)-acetamide</p> <p>ID 6160287 Formula C₁₂H₁₃N₃O</p>	 <p>NAME N-[5-(2-Chloro-phenyl)-2H-pyrazol-3-yl]-acetamide</p> <p>ID 6163418 Formula C₁₁H₁₀ClN₃O</p>	 <p>NAME 3-(2-Phenoxy-acetylamino)-propionic acid</p> <p>ID 6239633 Formula C₁₁H₁₃NO₄</p>	 <p>NAME 4-(2-Phenoxy-acetylamino)-butyric acid</p> <p>ID 6240756 Formula C₁₂H₁₅NO₄</p>
 <p>NAME N-[Acetylamino-(4-dimethyl-amino-phenyl)-methyl]-acetamide</p> <p>ID 6240978 Formula C₁₃H₁₉N₃O₂</p>	 <p>NAME N-[1-tert-Butyl-3,4-dimethyl-5-oxo-2,5-dihydro-1H-pyrrazol-2-yl]-acetamide</p> <p>ID 6326390 Formula C₁₂H₂₀N₂O₂</p>	 <p>NAME N-(2-Trifluoromethylsulfonyl-phenyl)-acetamide</p> <p>ID 6368433 Formula C₉H₉F₃NO₂</p>	 <p>NAME N-(4-Trifluoromethylsulfonyl-phenyl)-acetamide</p> <p>ID 6368862 Formula C₉H₉F₃NO₂</p>
 <p>NAME N-(5-Methyl-4-p-tolyl-thiazol-2-yl)-acetamide</p> <p>ID 6404355 Formula C₁₃H₁₄N₂OS</p>	 <p>NAME 3-Acetamidoacetophenone</p> <p>ID 659 Formula C₁₀H₁₁NO₂</p>	 <p>NAME 3-Acetamidophenol</p> <p>ID 660 Formula C₉H₉NO₂</p>	 <p>NAME 4-tert-Butylacetanilide</p> <p>ID 700 Formula C₁₂H₁₇NO</p>
 <p>NAME 2-(2-Chloroacetamido)-4-thiazoleacetic acid</p> <p>ID 8 Formula C₇H₇ClN₂O₃S</p>			

Figure 13-13